

CRITERIA 2 TEACHING LEARNING AND EVALUATION

Metric no: 2.5.1 Mechanism of internal assessment is transparent and robust in terms of frequency and mode Response

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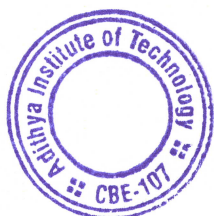
ACADEMIC YEAR 2021-2022

Constitution of Examination Cell

S. No.	Name	Designation	Responsibility
1	Dr.D.Palaniswamy	Professor	Coordinator
2	Mr.D.Edison	Assistant Professor	Member
3	Mr.S.Sujthkumar	Assistant Professor	Member
4	Mrs.M.Latha	Assistant Professor	Member
5	Mrs.M.Mohanapriyaa	Assistant Professor	Member
6	Mrs.V M Rupilaa	Assistant Professor	Member
7	Ms.S.Krishnaveni	Assistant Professor	Member

Roles & Responsibilities of Examination Cell

- Liaison between the university and the college; resolve any issues for the teachers and students.
- Conducting the theory and practical exams in accordance with the announced schedule by the University.
- In collaboration with the head academic, conduct the internal assessment test.
- Collect the results of both the internal and university exams in the format prescribed.
- Notify the university results of the students to their parents via mail, courier, or post.
- Uploading the internal assessment marks and students attendance by exam cell staff.
- Gathering and distributing to the students the mark sheets and other credentials they have received from the university.
- Enroll the students for university exam.
- During the university exam, gather student feedback on the questions and, if necessary, send it to the principal and the exam controller at Anna University.
- Help the principal to plan the graduation ceremony.
- Entry of readmission and transfer information for even and odd semester students in the DOTE Web portal.
- Certificate verification in the DOTE office for students in their first year of B.E., B.Tech, M.E., and MBA programmes.
- Verification of certificate genuineness of Tamilnadu and other state students

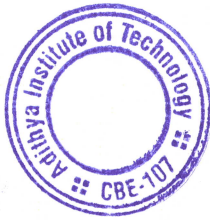


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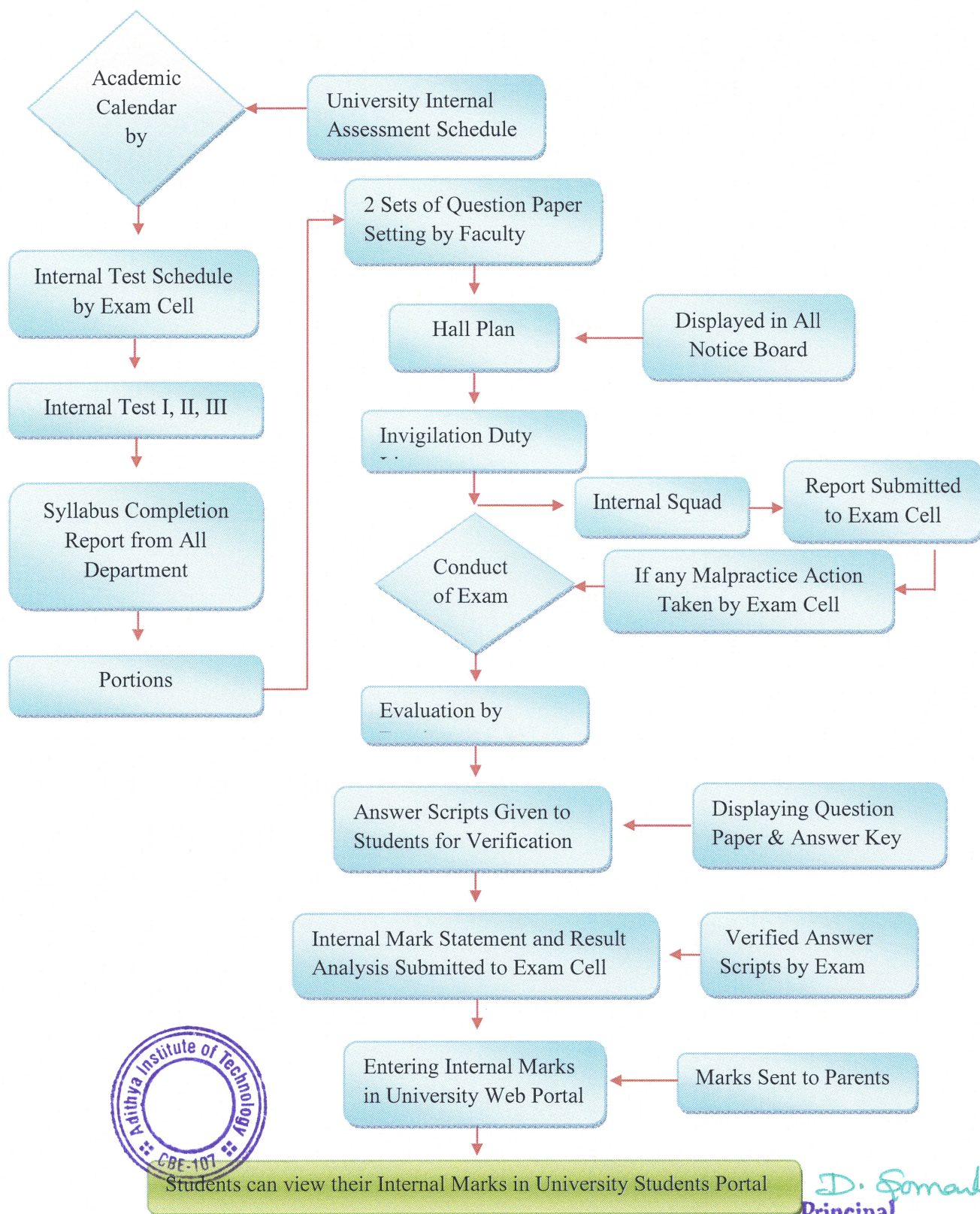
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- Admission booklet preparation for first year B.E., B.Tech., M.E., MBA, and lateral entrance students.
- Regulation, Curriculum, Admission, Administration, Rocoganzation, Registration, Sports, and NSS fees payment to the Anna University Office of Student Affairs.
- Conducting entrance exams for applicants to management quota seats.
- Conducting government examinations (TNPSC, NEET, TANGEDCO, MAT, Postal Exam).



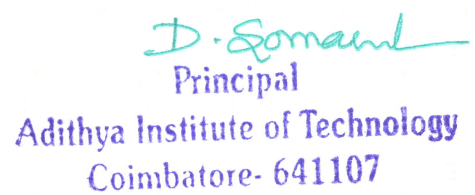
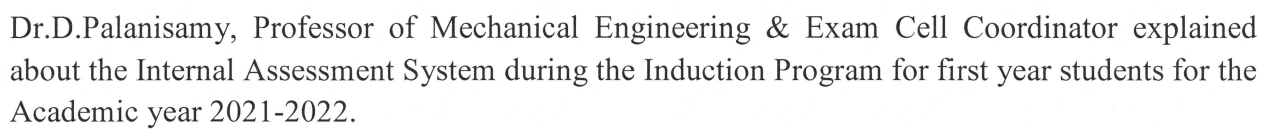

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Internal Assessment System – Conduct of Exam and Evaluation



Students can view their Internal Marks in University Students Portal

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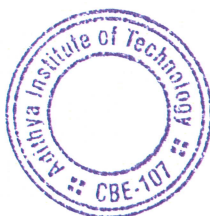
	ADITHYA INSTITUTE OF TECHNOLOGY	AIT/IQAC/IA I
	Circular	Page No 1/1
	INTERNAL ASSESSMENT-I	21.09.2021

- ❖ The timing for Internal Assessment-I Scheduled from 27.09.2021 to 29.09.2021 UG (03, 05 & 07 Semesters).

Scheduled Timing		Subject order as per the existing IA schedule
Forenoon	11:00 am to 12:30 pm	
Afternoon	02:45 pm to 04:15 pm	

- ❖ All the class rooms will be used for internal assessment test and hence students are advised not to keep their belongings under the desk. All the students should be inside the hall before **10 minutes** of the commencement of internal exam.

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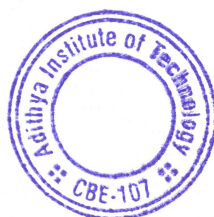
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	Adithya Institute of Technology, Coimbatore -641 107			ACD/IC/01Date :31.07.08
	Circular			Page No 1/1
AIT/IC/	INTERNAL ASSESSMENT TEST-I	Academic year: 2021-2022	Sem:03	21.09.2021

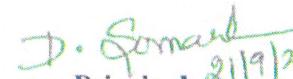
The Internal Assessment Test for Third semester UG students is scheduled as per the following time table.

IA 1	TIME	MECH	ECE	EEE	CSE	IT	CIVIL
27/09/2021	11.00 am to 12.30 pm	Transforms and Partial Differential Equations	Linear Algebra and Partial Differential Equations	Transforms and Partial Differential Equations	Discrete Mathematics	Discrete Mathematics	Transforms and Partial Differential Equations
27/09/2021	02.45 pm to 04.15 pm	Manufacturing Technology - I	Digital Electronics	Digital Logic Circuits	Digital Principles and System Design	Digital Principles and System Design	Construction Materials
28/09/2021	11.00 am to 12.30 pm	Engineering Thermodynamics	Fundamentals of Data Structures In C	Electromagnetic Theory	Data Structures	Data Structures	Fluid Mechanics
28/09/2021	02.45 pm to 04.15 pm	Electrical Drives and Controls	Control Systems Engineering	Electrical Machines- I	Object Oriented Programming	Object Oriented Programming	Surveying
29/09/2021	11.00 am to 12.30 pm	Fluid Mechanics and Machinery	Electronic Circuits- I	Electron Devices and Circuits	Communication Engineering	Analog and Digital Communication	Strength of Materials I
29/09/2021	02.45 pm to 04.15 pm	-	Signals and Systems	Power Plant Engineering	-	-	Engineering Geology

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	Adithya Institute of Technology, Coimbatore -641 107			ACD/IC/01Date :31.07.08
	Circular			Page No 1/1
AIT/IC/	INTERNAL ASSESSMENT TEST-I	Academic year: 2021-2022	Sem:05	21.09.2021

The Internal Assessment Test for Fifth semester UG students is scheduled as per the following time table.

IA I	TIME	MECH	ECE	EEE	CSE	IT	CIVIL
27/09/2021	11.00 am to 12.30 pm	Thermal Engineering- II	Discrete Time Signal Processing	Power System Analysis	Algebra and Number Theory	Algebra and Number Theory	Design of Reinforced Concrete Elements
27/09/2021	02.45 pm to 04.15 pm	Metrology and Measurements	Computer Architecture and Organization	Power Electronics	Computer Networks	Computer Networks	Water Supply Engineering
28/09/2021	11.00 am to 12.30 pm	Design of Machine Elements	Digital Communication	Digital Signal Processing	Microprocessor and Microcontrollers	Microprocessor and Microcontrollers	Structural Analysis I
28/09/2021	02.45 pm to 04.15 pm	Lean Manufacturing	Object Oriented Programming	Object Oriented Programming	Theory of Computation	Web Technology	Foundation Engineering
29/09/2021	11.00 am to 12.30 pm	Dynamics of Machines	Communication Networks	Microprocessors & Microcontrollers	Object Oriented Analysis and Design	Software Engineering	Total Station and GPS Surveying
29/09/2021	02.45 pm to 04.15 pm	-	Basics of Biomedical Instrumentation	Basics of Biomedical Instrumentation	Product Design and Development	Product Design and Development	Environment and Agriculture

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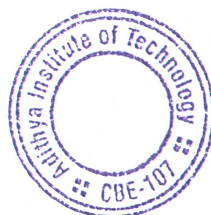
	ADITHYA INSTITUTE OF TECHNOLOGY	AIT/IQAC/IA II
	Circular	Page No 1/1
	INTERNAL ASSESSMENT-II	18.10.2021

- ❖ The timing for Internal Assessment-2 Scheduled from 25.10.2021 to 27.10.2021 UG (03, 05 & 07 Semesters).

Scheduled Timing		Subject order as per the existing IA schedule
Forenoon	11:00 am to 12:30 pm	
Afternoon	02:45 pm to 04:15 pm	

- ❖ All the class rooms will be used for internal assessment test and hence students are advised not to keep their belongings under the desk. All the students should be inside the hall before **10 minutes** of the commencement of internal exam.

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	Circular			Page No 1/1
	INTERNAL ASSESSMENT TEST-II	Academic year: 2022-2023	Sem:05	30.08.2022

The Internal Assessment Test for Fifth semester UG students is scheduled as per the following time table.

IA2	TIME	MECH	ECE	EEE	CSE	IT	CIVIL
06/10/2022	11.00 am to 12.30 pm	Thermal Engineering- II	Discrete Time Signal Processing	Power System Analysis	Algebra and Number Theory	Algebra and Number Theory	Design of Reinforced Concrete Elements
06/10/2022	02.45 pm to 04.15 pm	Metrology and Measurements	Computer Architecture and Organization	Power Electronics	Computer Networks	Computer Networks	Water Supply Engineering
07/10/2022	11.00 am to 12.30 pm	Design of Machine Elements	Digital Communication	Digital Signal Processing	Microprocessor and Microcontrollers	Microprocessor and Microcontrollers	Structural Analysis I
07/10/2022	02.45 pm to 04.15 pm	Lean Manufacturing	Total Quality Management	Object Oriented Programming	Theory of Computation	Web Technology	Foundation Engineering
08/10/2022	11.00 am to 12.30 pm	Dynamics of Machines	Communication Networks	Microprocessors & Microcontrollers	Object Oriented Analysis and Design	Software Engineering	Disaster Management
08/10/2022	02.45 pm to 04.15 pm	SDT	Basics of Biomedical Instrumentation	Basics of Biomedical Instrumentation	Product Design and Development	Product Design and Development	Environment and Agriculture
09/10/2022	02.45 pm to 04.15 pm		SDT	SDT	SDT	SDT	SDT

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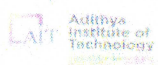


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D. Somasundareswari
Principal 27/9/22

Dr. SOMASUNDARESWARI.D
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The		Adithya Institute of Technology, Coimbatore -641 107			AIT/IQAC/IAC/30.08.2022
		Circular			Page No 1/1
		INTERNAL ASSESSMENT TEST-II	Academic year: 2022-2023	Sem:07	30.08.2022

Internal Assessment Test for Seventh semester UG students is scheduled as per the following time table.

IA	TIME	MECH	ECE	EEE	CSE	IT	CIVIL
06/10/2022	11.00 am to 12.30 pm	Mechatronics	Optical Communication and Networks	High Voltage Engineering	Principles of Management	Principles of Management	Estimation Costing and Valuation Engineering
06/10/2022	02.45 pm to 04.15 pm	Power Plant Engineering	Antennas and Microwave Engineering	Disaster Management	Cryptography and Network Security	Cryptography and Network Security	Structural design and drawing
07/10/2022	11.00 am to 12.30 pm	Process Planning and Cost Estimation	Embedded and Real Time Systems	Renewable Energy Systems	Cloud Computing	Cloud Computing	Railway airports harbour and docks Engineering
07/10/2022	02.45 pm to 04.15 pm	Total Quality Management	Ad hoc and Wireless Sensor Networks	Total Quality Management	Waste Water Treatment	Waste Water Treatment	Traffic Engineering and Management
08/10/2022	11.00 am to 12.30 pm	Testing of Materials	Testing of Materials	Testing of Materials	Human Computer Interaction	Human Computer Interaction	Industrial Safety
08/10/2022	02.45 pm to 04.15 pm	Non-destructive Testing and Evaluation	SDT	Power system Operation and control	SDT	SDT	SDT
09/10/2022	02.45 pm to 04.15 pm	SDT		SDT			

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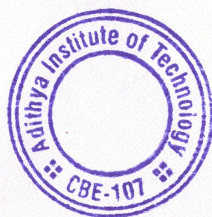
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	Circular			Page No 1/1
	INTERNAL ASSESSMENT TEST-11	Academic year: 2022-2023	Sem:03	30.08.2022

The Internal Assessment Test for Third semester UG students is scheduled as per the following time table.

IA 1	TIME	MECH (22)	ECE (42)	EEE (12)	CSE(64)	IT(66)	CIVIL(15)
14/12/2022	01.15 pm to 04.15 pm	Transforms and Partial Differential Equations	Random Processes and Linear Algebra	Probability and Complex Functions	Discrete Mathematics	Discrete Mathematics	Transforms and Partial Differential Equations
15/12/2022	01.15 pm to 04.15 pm	Engineering Mechanics	Electronic Devices and Circuits	Electromagnetic Fields	Digital Principles and Computer Organization	Digital Principles and Computer Organization	Engineering Mechanics
16/12/2022	01.15 pm to 04.15 pm	Engineering Thermodynamics	Signals and Systems	Digital Logic Circuits	Foundations of Data Science	Foundations of Data Science	Fluid Mechanics
17/12/2022	01.15 pm to 04.15 pm	Fluid Mechanics and Machinery	C Programming and Data Structures	C Programming and Data Structures	Data Structures	Data Structures	Construction materials and Technology
19/12/2022	01.15 pm to 04.15 pm	Engineering Materials and Metallurgy	Control Systems	Electrical Machines - I	Object Oriented Programming	Object Oriented Programming	Water and wastewater Engineering
20/12/2022	01.15 pm to 04.15 pm	Manufacturing Processes	Digital Systems Design	Electron Devices and Circuits	SDT	SDT	Surveying and Levelling
21/12/2022	02.45 pm to 04.15 pm	SDT	SDT	SDT			SDT

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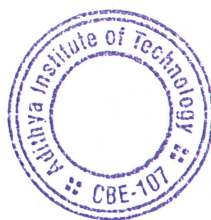
	ADITHYA INSTITUTE OF TECHNOLOGY	AIT/IQAC/IA III
	Circular	Page No 1/1
	INTERNAL ASSESSMENT-III	12.11.2021

- ❖ The timing for Internal Assessment-1 Scheduled from 22.11.2021 to 25.11.2021 UG (03, 05 & 07 Semesters).

Scheduled Timing		Subject order as per the existing IA schedule
Forenoon	11:00 am to 12:30 pm	
Afternoon	02:45 pm to 04:15 pm	

- ❖ All the class rooms will be used for internal assessment test and hence students are advised not to keep their belongings under the desk. All the students should be inside the hall before **10 minutes** of the commencement of internal exam.

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	Circular			Page No 1/A
AIT/IC/	INTERNAL ASSESSMENT TEST-III	Academic year: 2021-2022	Sem:05	12.11.2021

The Internal Assessment Test for Fifth semester UG students is scheduled as per the following time table.

IA 3	TIME	MECH	ECE	EEE	CSE	IT	CIVIL
22/11/2021	11.00 am to 12.30 pm	Thermal Engineering- II	Discrete Time Signal Processing	Power System Analysis	Algebra and Number Theory	Algebra and Number Theory	Design of Reinforced Concrete Elements
22/11/2021	02.45 pm to 04.15 pm	Metrology and Measurements	Computer Architecture and Organization	Power Electronics	Computer Networks	Computer Networks	Total Station and GPS Surveying
23/11/2021	11.00 am to 12.30 pm	Design of Machine Elements	Digital Communication	Digital Signal Processing	Microprocessor and Microcontrollers	Microprocessor and Microcontrollers	Structural Analysis I
23/11/2021	02.45 pm to 04.15 pm	Lean Manufacturing	Object Oriented Programming	Object Oriented Programming	Theory of Computation	Web Technology	Foundation Engineering
24/11/2021	11.00 am to 12.30 pm	Dynamics of Machines	Communication Networks	Microprocessors & Microcontrollers	Object Oriented Analysis and Design	Software Engineering	Water Supply Engineering
24/11/2021	02.45 pm to 04.15 pm		Basics of Biomedical Instrumentation	Basics of Biomedical Instrumentation	Product Design and Development	Product Design and Development	Environment and Agriculture
25/11/2021	11.00 am to 12.30 pm	SDT	SDT	SDT	SDT	SDT	SDT

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	Circular			Page No 1/1
AIT/IC/	INTERNAL ASSESSMENT TEST-III	Academic year: 2021-2022	Sem:03	12.11.2021

The Internal Assessment Test for Third semester UG students is scheduled as per the following time table.

IA 3	TIME	MECH	ECE	EEE	CSE	IT	CIVIL
22/11/2021	11.00 am to 12.30 pm	Transforms and Partial Differential Equations	Linear Algebra and Partial Differential Equations	Transforms and Partial Differential Equations	Discrete Mathematics	Discrete Mathematics	Transforms and Partial Differential Equations
22/11/2021	02.45 pm to 04.15 pm	Manufacturing Technology - I	Digital Electronics	Electrical Machines-I	Digital Principles and System Design	Digital Principles and System Design	Surveying
23/11/2021	11.00 am to 12.30 pm	Engineering Thermodynamics	Fundamentals of Data Structures In C	Electromagnetic Theory	Data Structures	Data Structures	Fluid Mechanics
23/11/2021	02.45 pm to 04.15 pm	Electrical Drives and Controls	Control Systems Engineering	Digital Logic Circuits	Object Oriented Programming	Object Oriented Programming	Construction Materials
24/11/2021	11.00 am to 12.30 pm	Fluid Mechanics and Machinery	Electronic Circuits- I	Electron Devices and Circuits	Communication Engineering	Analog and Digital Communication	Strength of Materials I
24/11/2021	02.45 pm to 04.15 pm	-	Signals and Systems	Power Plant Engineering	-	-	Engineering Geology
25/11/2021	11.00 am to 12.30 pm	SDT	SDT	SDT	SDT	SDT	SDT

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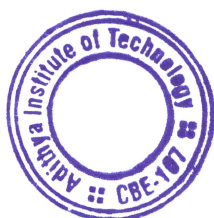

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INTERNAL EXAMINATION -III Seating Plan

Dates of Examination: 22.11.2021 to 24.11.2021

Room No.	Register No.	Total no of seats
N102	710120103001 to 710120103307 710120104001 to 710120104015	30
N103	710120105002 to 710120105304 710120104016 to 710120104032 710120106012 to 710120106014	30
N104	710120114001 to 710120114010 710120104033 to 710120104047 710120106015 to 710120106302	30
N203	710120114011 to 710120114310 710120104048 to 710120104305	30
N204	710119103301 to 710119103304 710119105001 to 710119105004, 701 710120205001 to 710120205017 710120104001 to 710120104008	30



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N301	710120205018 to 710120205034 710119104009 to 710120106702 710118114710	30
N302	710120205035 to 710120205049 710119114001 to 710119114015,301	30
N303	710118103001 to 710118103304 710118105001 to 710118105702 710120205050 to 710120205304 710119114302 to 710119114306,501	30
N304	710118104001 to 710118104019 710118114003 to 710118114023	30
S ²¹⁵ S109	710118104020 to 710118104704 710118114024 to 710118114306	30
S110	710118104705 to 710118104708,501 710118114307 to 710118114710 710118106001 to 710118106020	30




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S213	710118106022 to 710118106708 710119205001 to 710119205004 710118205001 to 710118205018	30
S214	710119205005 to 710119205302 710118205019 to 710119205030 710120106001 to 710120106011 20	30
S215	710119106001 to 710118106302	10



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INTERNAL EXAMINATION III - HALL PLAN

11

	DATE	:	22.11.2021	SESSION	:	FN & AN	HALL	:	S110
1	710118104705	12	710118106008	13	710118114701	24	710118106016	25	710118114707
2	710118106001	11	710118114501	14	710118106010	23	710118114706	26	710118106018
3	710118104706	10	710118106007	15	710118114702	22	710118106015	27	710118114708
4	710118106002	9	710118114307	16	710118106012	21	710118114705	28	710118106019
5	710118104707	8	710118106005	17	710118114703	20	710118106014	29	710118114709
6	710118106003	7	710118104708	18	710118106013	19	710118114704	30	710118106020

S.NO.	DEPT	Register Numbers	Count	Absentees No's
1	CSE	710118104705, 706, 707, 708	4	705, 708
2	MECH	710118114307, 501, 701, 702, 703, 704, 705, 706, 707, 708, 709	11	
3	ECE	710118106001, 002, 003, 005, 007, 008, 010, 012, 013, 014, 015, 016, 018, 019, 020	15	
4				

G. VINOTH
Name

[Signature]
Signature of Invigilator



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INTERNAL EXAMINATION III - HALL PLAN

12

	DATE	:	22.11.2021	SESSION	:	FN & AN	HALL	:	S213
1	710118205001	12	710118106024	13	710118205008	24	710118106707	25	710118205015
2	710119205001	11	710118205007	14	710118106701	23	710118205014	26	710118106708
3	710118205002	10	710118106022	15	710118205009	22	710118106705	27	710118205017
4	710119205002	9	710118205005	16	710118106702	21	710118205013	28	710118106501
5	710118205003	8	710119205004	17	710118205010	20	710118106704	29	710118205018
6	710119205003	7	710118205004	18	710118106703	19	710118205012	30	

S.NO.	DEPT	Register Numbers	Count	Absentees No's
1	IT	710118205001, 002, 003, 004, 005, 007, 008, 009, 010, 012, 013, 014, 015, 017, 018	15 ✓	
2	IT	710119205001, 002, 003, 004 ✓	4	NIL
3	ECE	710118106022, 024, 701, 702, 703, 704, 705, 707, 708, 501	10 ✓	
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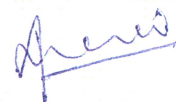
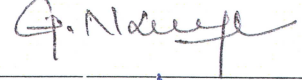
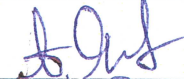
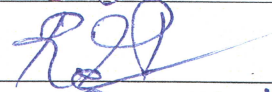
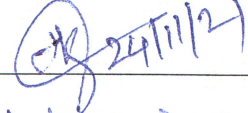
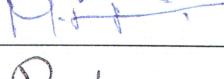
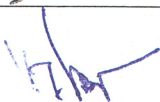
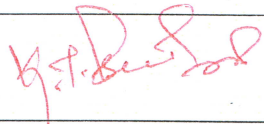

Name
T. KIRUBAKARAN

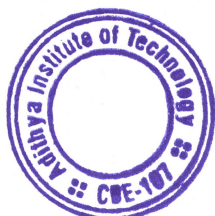

Signature of Invigilator




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Coimbatore- 641107

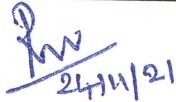
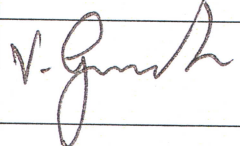
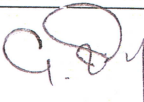
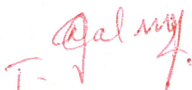
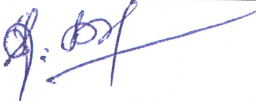
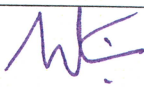
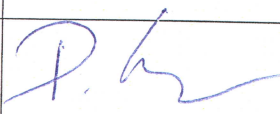
	Adithya Institute of Technology Coimbatore -641 107					PAGE NO 1/1
	HALL SUMMARY on 24.11.2021 & FN					
ACADEMIC YEAR	2021- 2022	INTERNAL ASSESSMENT III	SEM	03, 05 & 07	ISSUE DATE	

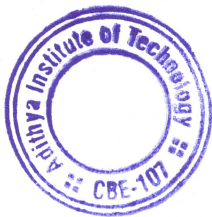
S.NO	HALL	HALL INVIGILATOR NAME	SIGNATURE	IF ALTERED, NAME & SIGN
01	N102	KM Shenthilvadivukarasi		
02	N103	S Muthukumar		
03	N104	Mohammed Harris.S		
04	N203	Vinoth.G		
05	N204	Janani.B		
06	N301	Nithya.G		
07	N302	Gnana Selvakumar.A		
08	N303	Rajinikanth		
09	N304	A Karthick		
10	S108	Dr. M.Subramanian		
11	S110	Sagaya Vivian R		
12	S213	V.T.VijayaRaj		
13	S214	Ragul M		
14	S215	K T Shabarinathan		




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	Adithya Institute of Technology Coimbatore -641 107					
	HALL SUMMARY on 24.11.2021 & AN					PAGE NO 1/1
ACADEMIC YEAR	2021- 2022	INTERNAL ASSESSMENT III	SEM	03, 05 & 07	ISSUE DATE	

S.NO	HALL	HALL INVIGILATOR NAME	SIGNATURE	IF ALTERED, NAME & SIGN
01	N102	Sagaya Vivian R		
02	N103	Kalpana R	-	
03	N104	Vikram.G		
04	N203	Ganitha Aarthi N		
05	N204	Kalaivani T		
06	N301	Sujith kumar S		
07	N314	Sherine Mary W		
08	N303	D.Ramesh Kumar		




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		Adithya Institute of Technology Coimbatore -641 107		ACD/MAL/03 14.04.09 REV: 0	
		INTERNAL ASSESSMENT TEST -III			
ACADEMIC YEAR 2021 – 2022 [ODD SEMESTER]	SEMESTER : 05	CLASS : II YEAR /EEE	ACADEMIC YEAR 2021 – 2022 [ODD SEMESTER]	SEMESTER : 03	EXAM DATE : 23/11/2021 A.N 11.00a.m- 12.30p.m

Subject Code/Title: EE8351 – Digital Logic Circuits

PART-A

07 x 02 = 14

1. Differentiate FIR & IIR Filter
2. Justify the usage of the Hamming & Hanning window for FIR filter design as against the rectangular window
3. Define Gibbs Phenomenon
4. State advantage & disadvantage over IIR & FIR Filter
5. Define Truncation error for sign magnitude representation and for the 2's complement representation
6. What is linear phase FIR filter?
7. What is zero input limit cycle oscillation?

PART-B

02 x 13 = 26

8. Determine $H(z)$ for a butterworth filter satisfying constraints using impulse invariant transformation & $T=1\text{sec}$
Pass band edge magnitude= $\sqrt{0.5}$ Stop band magnitude = 0.2
Pass band edge frequency= $\pi/2$ Stop band frequency = $3\pi/4$
or

Determine the filter coefficient $h(n)$ of length $M=15$, obtained by sampling and its frequency response as

$$H(2\pi nk/15) = \begin{matrix} 1 & ; & K=0,1,2,3,4 \\ 0.4 & ; & K=5 \\ 0 & ; & K=6,7 \end{matrix}$$

9. Discuss the architecture of one commercial frequency and explain with necessary diagram
or

Justify and explain the necessity for quantization and the nyquist criterions influence on the quantization

PART - C

01x10=10

10. Discuss in brief the addressing formats and functional modes of any one commercial DSP
or

Obtain parallel and cascade realization of the following filter structure using transpose for II

$$H(z) = [(3+5z^{-1})(0.6+3z^{-1})]/[(1-5z^{-1}-1+2z^{-2})(1-z^{-1})]$$

Faculty	HOD	Principal
<i>[Signature]</i> 20/11/2021	<i>[Signature]</i> 20/11/2021	<i>[Signature]</i> 20/11/2021



		Adithya Institute of Technology Coimbatore -641 107		ACD/MAL/03 14.04.09 REV: 0	
		INTERNAL ASSESSMENT TEST -III			
ACADEMIC YEAR 2021 – 2022 [ODD SEMESTER]	SEMESTER : 05	CLASS : III YEAR /EEE	UNIT COVERAGE : 1.5 Unit	MAX TIME : 1 HR & 30 MIN	EXAM DATE : 23/11/2021 F.N 11.00a.m- 12.30p.m

Subject Code/Title: EE8591 – Digital Signal Processing

PART-A

07 x 02 = 14

11. Differentiate FIR & IIR Filter
1. Justify the usage of the Hamming & Hanning window for FIR filter design as against the rectangular window
2. Define Gibbs Phenomenon
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02 x 13 = 26

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Faculty	HOD	Principal
<i>[Signature]</i> 20/11/2021	<i>[Signature]</i> 20/11/2021	<i>[Signature]</i> 20/11/2021

[Signature]
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 ADITHYA INSTITUTE OF TECHNOLOGY INDUSTRY INTEGRATED INSTITUTION					
Internal Assessment – 03					Page.No:1/2
Academic Year	2020-2021	Sem/Year 05/ III EEE/ECE	Unit Coverage: 2 Units	Maximum Duration: 1.5 Hrs	Date of Exam : 24.11.2021 (02.45 – 04.15pm)

ODM551 BASIC OF BIOMEDICAL INSTRUMENTATION

Part A

Answer all the Questions

7*2=14

1. Define systole and diastole?
2. What is meant by Doppler Effect?
3. What is cardiac output and stroke volume?
4. What is the principle of blood glucose sensor?
5. What are photometers?
6. Mention the clinical significance of PO₂ and PCO₂ in blood?
7. What is Fick's technique?

Part B

Answer all the Questions

2*13=26

8. Explain any two methods of respiratory measurement with a neat diagram?

Or

9. Explain two methods different methods of blood pressure measurement?
10. Explain the construction and working principle of spectrophotometers ?

Or

11. Explain the construction and working principle of calorimeter?

Part C

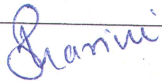
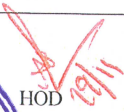
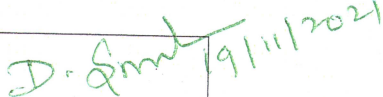
Answer all the Questions

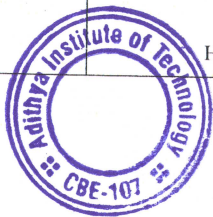
1*10=10

12. Write short notes on auscultatory method and oscillometric method of pressure measurement??

Or

13. Explain the construction and working principle of auto analyser?

		
FACULTY	HOD	PRINCIPAL



 ADITHYA INSTITUTE OF TECHNOLOGY INDUSTRY INTEGRATED INSTITUTION					
Internal Assessment – 03					Page.No:1/2
Academic Year	2020-2021	Sem/Year 05/ III EEE/ECE	Unit Coverage: 2 Units	Maximum Duration: 1.5 Hrs	Date of Exam : 24.11.2021 (02.45 – 04.15pm)

ODM551 BASIC OF BIOMEDICAL INSTRUMENTATION

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6. Mention the clinical significance of PO₂ and PCO₂ in blood?
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Part B

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2*13=26

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Or

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10. Explain the construction and working principle of spectrophotometers ?

Or

11. Explain the construction and working principle of calorimeter?

Part C

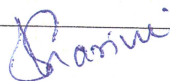
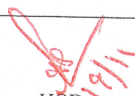
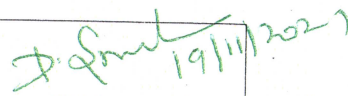
Answer all the Questions

1*10=10

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Or

13. Explain the construction and working principle of auto analyser?

		
FACULTY	HOD	PRINCIPAL

Principal

	ADITHYA INSTITUTE OF TECHNOLOGY	AIT/IQAC/SQ D
	Circular	Page No: 1/1
	Internal Squad Committee	21.09.2021

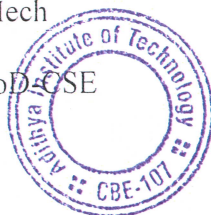
A squad with following Senior faculty has been constituted to monitor the conduct of all examinations in our institution. The members are requested to have surprise checks at the exams halls during examination and report the same at the exam cell.

1. Dr. P. Magudeaswaran, HoD-Civil
2. Dr. K. Mylsamy, HoD-Mech
3. Dr. A. Sridevi, HoD-ES
4. Dr. S.M. Nandagopal, HoD-CSE


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Copy to:

1. Dr. P. Magudeaswaran, HoD-Civil
2. Dr. K. Mylsamy, HoD-Mech
3. Dr. A. Sridevi, HoD-ES
4. Dr. S.M. Nandagopal, HoD-CSE




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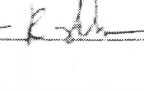
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Coimbatore- 641107

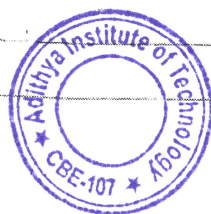
Nov/DEC 2A-II (IIIrd Year)

Subject 2A - I (IInd Year)

Abstracts Reg. No

Sign

S.No	Date of Exam	Subject Code	Subject Name	Abstracts	Reg. No	Sign
1.	06/10/22	CE8501	DRCE	03, 04, 10, 15, 27, 3301 (Present)		
2.	06.10.22	MA8551	ANT	2, 3, 4, 5, 7, 10, 11, 302, 303 52, 13, 14, 16, 19, 21, 22, 55, 57 48, 24, 25, 29, 31, 32, 38, 53, 301,		
3.	6/10/22	EC8553	DTSP	7, 15, Jayanti		
4.	6/10/22	EE8501	PST	06, 302, 07		
5.	6/10/22	EC8451	DC	NIL		G. N. Naidu
6.	6/10/22	EC8101	ANE	NIL		M. M. M.
7.	7/10/22	MA3351	TPDE	CIVIL: 2, Arun, Manikandan, Ramakrishna MECH: 1, 3, 4, 5, 8,		
8.	6/10/22	ME8595	TE-II	10, 11, 12, 305 Hareesh		S. Selva
9.	6/10/22	MG8591	Dom (SE)	3, 5, 13, 15		S. Selva
10.	6/10/22	MG8591	Dom (IT)	3, 4, 7		S. Selva
11.	7/10/22	MA8551	ANT	1, 3, 6, 7, 8, 9, 10, 11, 12, 14 16, 20, 22, 23, 24, 25, 26, 27, 28, 31-37 41-44, 46, 47, Varadhar		
12.	7/10/22	MA3303	PCF	1, 3, 4, 5, 16,		
13.	7/10/22	CS8792	CNS	CSE - 3, 5, 7, 13 IT - 7.		
14.	7/10/22	ME8501	NM	MECH - 10, 11, 12, 305		
15.	7/10/22	CE8591	CN	CHE 1, 3, 6, 7, 8 IT 9, 10, 11, 12 14, 16, 20 22, 23, 24 25, 26, 27 28, 31, 37 41-44, 46, 47		



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SN	DOB	DO	SN	Alt. Name	Sign
16	9-9-20	0.85	120	157 701, 2005	Paul

16) T/S/22 EE8891 DLF T. 522 10.11/20

1707/9/22 DC 8001 DC 7 12.15, Japan 12.12/20

18. 7.10.22 1608594 245 2.1

19-7-22 CS8791 CC BSc 07 V. Gunk

20. 7.10.22 (5879) CC BY SE 3, 5, 13, 15, 12 K. G. Hall

2) 4/10/22 ECG 41 "E. Tech IT" 1, 6, 11, 14, 16, 20
23, 24, 25, 34, 36
43, 46, 47, 52, 53
301, 302, 304

$\frac{1}{2} \frac{1}{2} \frac{1}{2}$ R.E. (12E) 20, 30, 40, 13, 16
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 27, 31, 32, 39
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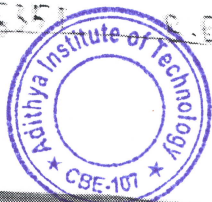
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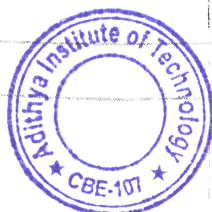
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15. 7/11 ME3351 BE(M) 100, main London N. 100
Kungsälskär

26) 8/10/20 MESSI S. EL MESSI (24) 05



S.No	Date of Exam	Subject Code	Subject Name	Absentees Reg No	Sign
27	8/10/22	EC3350	B.E (ECE)	2,3,9,10,13,15,22,33	blf
28	8/10/22	4E8071	BE EEE	OL	an
29	8/10/22	CS8501 (Toc)	B.E (CSF)	2,3,4,5,7,18 13,14,16,19,20, 21,22,23,24,25,27 28,29,30,31,32, 39,42,44,45,50 51,52,301,302,	AA 8/10/22
30	8/10/22	IT8501 (WT)	D.G IT	1,6,8,11,14,16 20,23,24,26,33 34,36,43,46, 47,52,301,302 304	T. 4.
31	8/10/22	AE8017 TAM	B.E (Mech), EEE, EEE	201,	M.H
32	8/10/22	CS8494	B.Tech IT	2,3,4,8,7,13 14,15,17,18,19 29 303,304 5,8,9,10,11,301	Aero
33	8/10/22	CS8342	BE EEE	5,8,9,10,11,301	Aero
34	8/10/22	ME8793	Mech	301	P/L
35	8/10/22	EC8551 -CN	B.E (ECE)	7,13,15,701	G. Nange
36	8/10/22	ME8594	B.E Mech	306	M.H
37	8/10/22	OMP551	B.E (ISE)	2,3,5,8,14,16 17,21,22,23,25, 301,302, 27,28,29,30,31,32, 39,42,48,50,51,	Page
38	8/10/22	OMP551	B.Tech IT	Pos: 2,3,4,5,13, 18,27,17,29,32,37, 38,39,40,42,45,46, 50,52	Page



S.No	Date of Exam	Sub Code	Sub Name	Absentees Roll.N	Sign
39)	8/10/22	CS8592	B.E C&E	2, 3, 5, 8, 14, 16, 19, 21, 22, 23, 25, 27, 28, 29, 30, 31, 32, 39, 48, 51 , 502	<i>[Signature]</i>

40) 8/10/22 CS3352 II B.Tech (IT) Present: 1, 2, 4, 6, 9, 11, 12, 13, 14, 18, 20, 24, 26, 28, 29, 30, 32, 36, 38, 40, 41, 45, 46, 47, 49, 51, 53, 56, 60, G. Praveen, S. Sri Devi

41) 8/10/22 CS3352 (FDS) II B.E (ECE) Present 2, 4, 6, 7, 8, 10, 12, 13, 14, 15, 16, 20, 23, 24, 28, 29, 49, 51, 52, 35, 36, 37, 38, 40, 42, 43, 44
[Signatures: Sankar Kumar, Manali, Vetraraj, Santhi, Arjun, Manthulathir]
[Signature: Dr. Veeramani Ramodani]

42) 8/10/22 CS3351 II B.Tech (IT) Ab: 5, 7, 10, 19, 24, 25, 26, 27, 28, 31, 35, 36, 37, 39, 41, 43, 48, 50, 53, 57, 58, 64

43) 8/10/22 CS3352 II B.E (ECE) Ab: 1, 2, 3, 5, 9, 11, 17, 20, 22, 26, 27, 33, 34, 39, 41, 43, 45, 51, 53, 55
[Signature: R. Suresh]

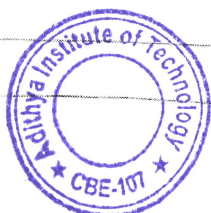
44) EMF EE3301 II EEE 3, 4, 5, 7 *[Signature]*
 45) HVE EE3301 II EEE *[Signature]*



S.No	Date of Exam	Sub code	Sub Name	Absentees Roll No	Sign
46	DM	MA 3351	B.Tech ECE	5, 7, 8, 10, 21, 22, 24, 25, 27, 28, 35, 37, 39, 41, 42 47, 48, 50, 56, 57,	
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47	8/10/22	PSOC EE8702	B.EEEE	003 → 06	
48	02/10/22	BM1 OMD551	B.EEEE	- 7, 302, 303	
49	02/10/22	BM1 OMD551	B.E/EIE	- 3, 7, 13, 15, Jayasri	
50	02/10/22	SS EC3354	B.E-EIE	- 2, 3, 8, 10, 12, 13, 15, 17, 22, 23, 27, 33, Lb, 19, LB, 19	
51	10/10/22	EE851 NPMC	B.EEEE	7, 302, 303.	OK
52	10/10/22	ME8597	NOTE	301	
53	10/10/22	CE8591	foundation Eng	002, 303, 305, 307	
		G18491	Disaster mgmt	002, 006, 306, 308, 307	
		CE3301	fluid mechanics	002	
		DA1551	Environment & agriculture	003, 303, 305, 307, 308	
54	10/10/22	CS 8079(11)	Present:	1, 2, 3, 4, 5, 6, 9, 10, 11, 12, 301, 701	
55	10/10/22	CS 8079(CSE)	Present:	1, 2, 4, 6, 7, 8, 10, 11, 14, 15, 17, 18, 19, 20, 701, 702	



S.No	Date Recd	Sub Code	Sub Name & Absentees No.	Sign
56	10/10/22	MA3355 (ECE)	02, 05, 08, 10, 11, 13, 15, 16, 17, 20 22, 28, 38	
51)	10/10/22	EE 8102 RE	3, 101	fmm
52/	11/10/22	CE3391 (FMM)		DL
53)	11/10/22	CS6251 (DS)		mo.
54)	11/10/22	CS3291	5, 18, 19, 20 22, 24, 25, 26 27, 28, 33, 35 37, 39, 42, 43, 44 48, 49, 51, 52, 54 57, 58, 59	
55)	12/10/22	CE3391	1, 2, 3, 5, 6, 15, 17 21, 22, 26, 27, 39 34, 37, 40, 41, 43 45, 50, 51, 52, 53 Manoj, Vibin	
56	12/10/22	EE3302	3, 4	
57.	12/10/22.	EE 8351.	3, 4, 8, 13, 15, 31, 33, 35	
58	13/10/22	CE3351 CE3302	3	
59.	13/10/22	ME3393	5, Nirmal, Ramesh, Santhosh	Vibin
58	13/10/22	CS3391	5, 7, 8, 22, 25	
59	14/10/22	EE3301	04	



Date	Sub Code	Sub Name	Absentees Reg N.	Sign
14/10/22	C93353	C&DS - EEE	2- 4 , 8, 10-13, 15-17, 22, 23, 27, 31, 33	W. J. J.
14/10/22	C93353	C&DS - EEE		W. J. J.



Internal Assessment

Test No: I / II / III / IV (Tick the appropriate)

Register Number	710118105001	Name	A. Divya		Dept / Section	EEE Final year				
Subject Code	EE8015	Title	Electrical Energy Generation, Utilization and conservation							
No. of Pages Used	(11)	Date	23.05.2022		Session : FN / AN					
Question No. Part - A	1	2	3	4	5	6	7	8	9	10
Marks	2	2	2	2	2	2	2	11	13	10
Question No. Part - B	11.a	11.b	12.a	12.b	13.a	13.b	14.a	14.b	15.a	15.b
Marks										
Total Marks					78/50					
Signature of the Student A. Divya			Signature of the Staff T. J. S.			Signature of the HoD D. Soman				

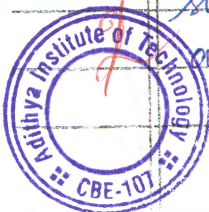
PART - A

1. Average speed.

The mean of speeds between the start and stop is the distance covered between the start and the stop divided by the actual running period is known as average speed.

Scheduled Speed

The distance covered between the start and the stop divided by the actual running period including stopping period is called scheduled speed.



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2. Requirements of Electric traction system.

* ^{High} Starting Electric traction to obtain the required acceleration.

* The wear of the traction should be minimum.

* Speed control must be easy.

* Low initial and maintainance cost.

* Pollution free

3. Electric drive.

An Electric drive is a form of a machine equipment and is designed for the conversion of electrical energy to mechanical energy and is provided with electrical control system.

4. properties of good heating material.

* High resistivity.

* High Melting Point.

* High ductility and flexibility.

* High corrosivity.

* Low temperature coefficient of resistance

* positive temperature coefficient of resistance



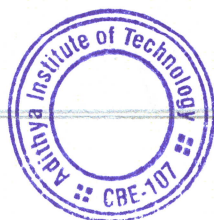
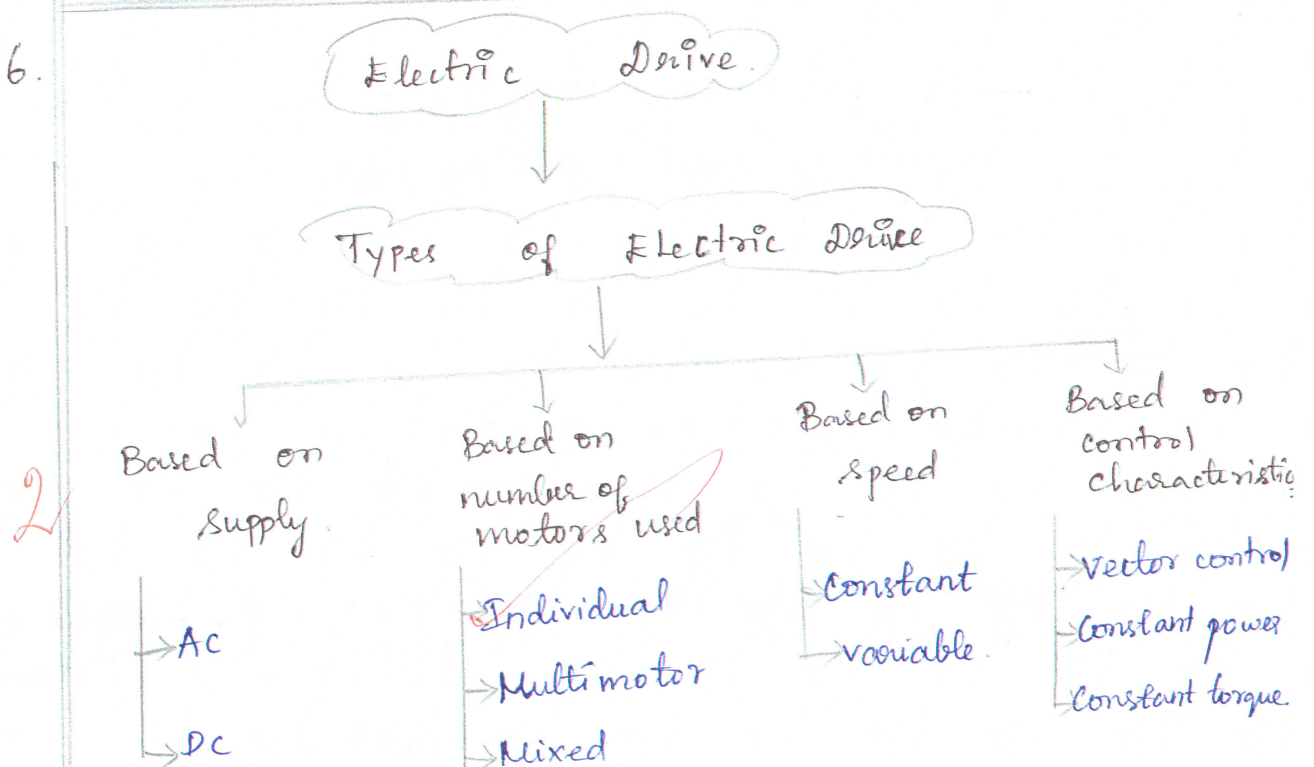
D. Soman
Principal

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Coimbatore- 641107

5.

Properties	DC Welding	AC Welding.
Equipment.	Generator or rectifier is used in case of availability of power supply. Oil engine generator is also used.	Only transformer is used.
Prime cost	two or three times of transformer.	low.
No load voltage	low	High.
Operating Efficiency	low	High 85%.
Heating	uniform heating	Non uniform heating
power factor	High	Low

6.

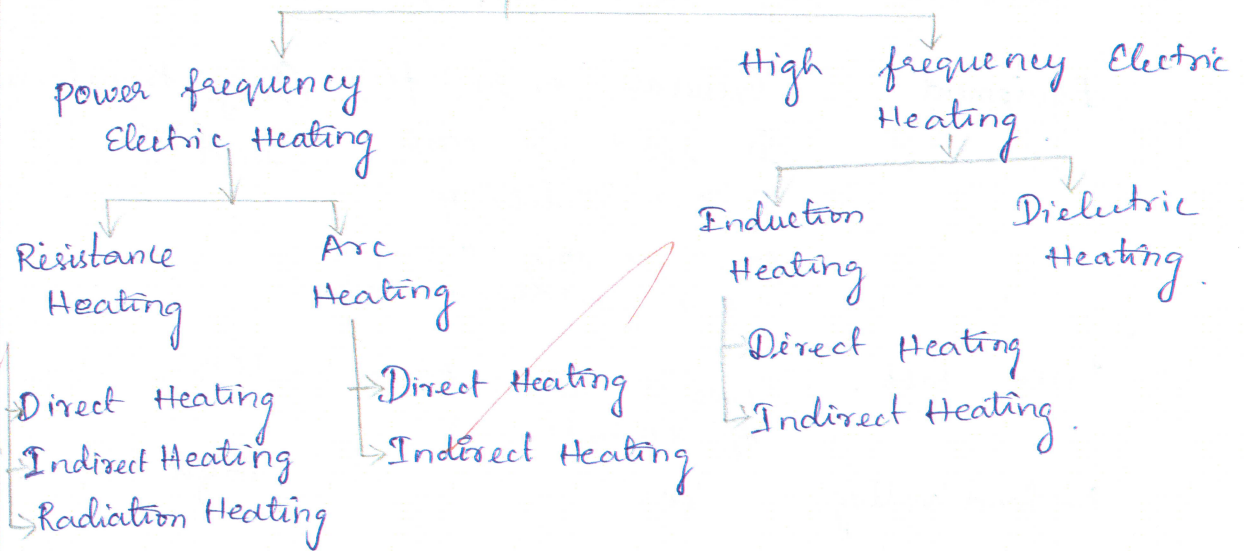


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7.

Electric Heating.



PART - C.

10b.

given

$$\text{Volume} = 0.5 \text{ m} \times 0.25 \text{ m} \times 0.02 \text{ m}$$

$$\theta_1 = 15^\circ \text{C}$$

$$\theta_2 = 135^\circ \text{C}$$

$$\text{Specific Heat} = 1500 \text{ J/Kg}^\circ \text{C}$$

$$\text{Weight of wood} = 600 \text{ kg/m}^3$$

$$\eta = 55\%$$

Soln

$$\text{Volume} = 0.5 \times 0.25 \times 0.02 \text{ m}^3$$

$$= 2.5 \times 10^{-3} \text{ m}^3$$

$$\text{Weight of plywood} = \text{Volume of plywood} \times \text{weight of wood}$$

$$= 2.5 \times 10^{-3} \times 600$$

$$= 1.5 \text{ kg}$$



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$$\text{Heat required (H)} = m (s (\theta_2 - \theta_1))$$

$$= 1.5 (1500 (135 - 15))$$

$$= 27 \times 10^4 \text{ J}$$

$$= 27 \times 10^4 \times 2.78 \times 10^{-7} \text{ kWh}$$

$$= 0.07506 \text{ kWh}$$

$$\text{Heat required (H)} = 75.06 \text{ Wh.}$$

(O/p power)

For 10 minutes, power required

$$= \frac{75.06}{10/60} = 450 \text{ W}$$

$$\left. \begin{array}{l} \text{Input power} \\ \text{required} \end{array} \right\} = \frac{\text{Output power}}{\text{Efficiency}}$$

$$= \frac{450}{0.55}$$

$$\left. \begin{array}{l} \text{Input power} \\ \text{required} \end{array} \right\} = 818.18 \text{ W.}$$

PART - B.

9 b. given

$$\text{Specific heat} = 444 \text{ J/Kg}^\circ\text{C}$$

$$\text{Latent heat} = 37.25 \text{ kJ/Kg}$$

$$I = 5000 \text{ A}$$

$$V_A = 60 \text{ V}$$

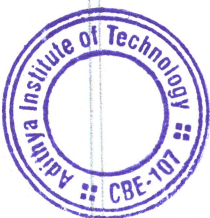
$$R_t = 0.003 \Omega$$

$$X_t = 0.005 \Omega$$

$$\theta_2 = 1370^\circ\text{C}$$

$$\theta_1 = 18^\circ\text{C}$$

$$\eta = 60\%$$



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Soln

$$m = 3 \text{ metric tonnes} = 3 \times 1000 = 3000 \text{ kg}$$

$$H = m (S (\theta_2 - \theta_1) + L)$$

$$= 3000 (444 (1370 - 18) + (37.25 \times 10^3))$$

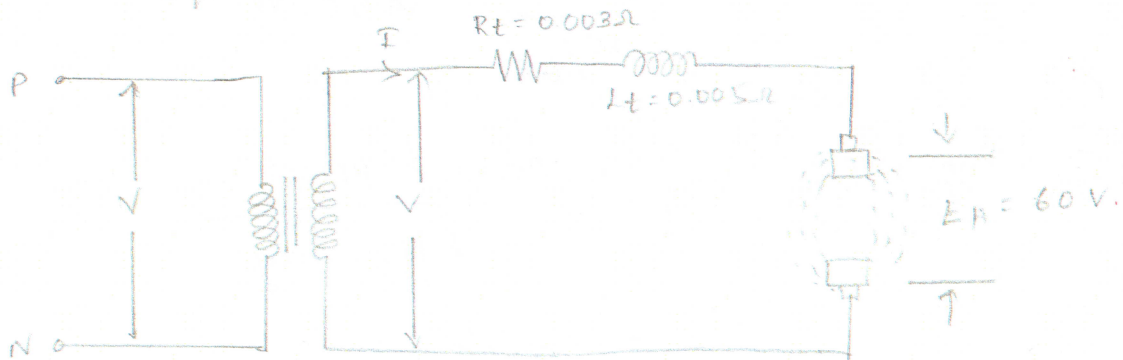
$$= 3000 (6000288 + 37250)$$

$$= 1.91 \times 10^9 \text{ J}$$

$$= 1.91 \times 10^9 \times 2.78 \times 10^{-7} \text{ kWh}$$

$$H = 531.70 \text{ kWh}$$

The equivalent circuit for arc furnace



$$\text{Arc resistance / phase} = \frac{60}{5000} = 0.012 \Omega$$

$$\left. \begin{array}{l} \text{Drop due to resistance} \\ \text{of transformer} \end{array} \right\} = IR_t = 5000 \times 0.003 = 15 \text{ V}$$

$$\left. \begin{array}{l} \text{Drop due to reactance} \\ \text{of transformer} \end{array} \right\} = IX_t = 5000 \times 0.005 = 25 \text{ V}$$



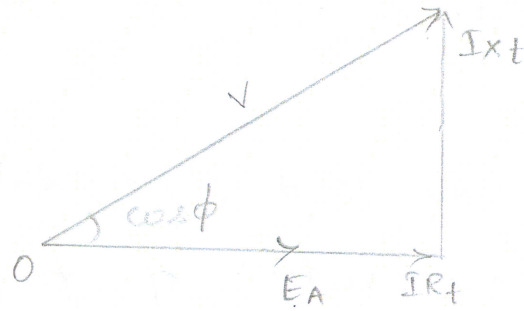
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From the phasor diagram



$$V = \sqrt{(E_A + IR_t)^2 + (IX_t)^2}$$

$$= \sqrt{(60 + 15)^2 + (25)^2}$$

$$V = 79.05 \text{ V}$$

$$\cos \phi = \frac{E_A + IR_t}{V}$$

$$= \frac{60 + 15}{79.05}$$

$$\cos \phi = 0.948 \text{ lag}$$

$$\text{Actual Heat} = \frac{H}{\eta}$$

$$= \frac{531.70}{0.6}$$

$$= 886.166 \text{ kWh}$$

$$\text{Input power} = 3 \times V \times I \times \cos \phi \times 10^{-3} \text{ kW}$$

$$= 3 \times 79.05 \times 5000 \times 0.948 \times 10^{-3}$$

$$= 1124.091 \text{ kW}$$

$$\text{Time taken} = \frac{\text{Actual Heat}}{\text{I/p Power}}$$

$$= \frac{886.166}{1124.091}$$

$$= 0.788 \text{ hr}$$

$$\text{Time required} = 47 \text{ minutes}$$



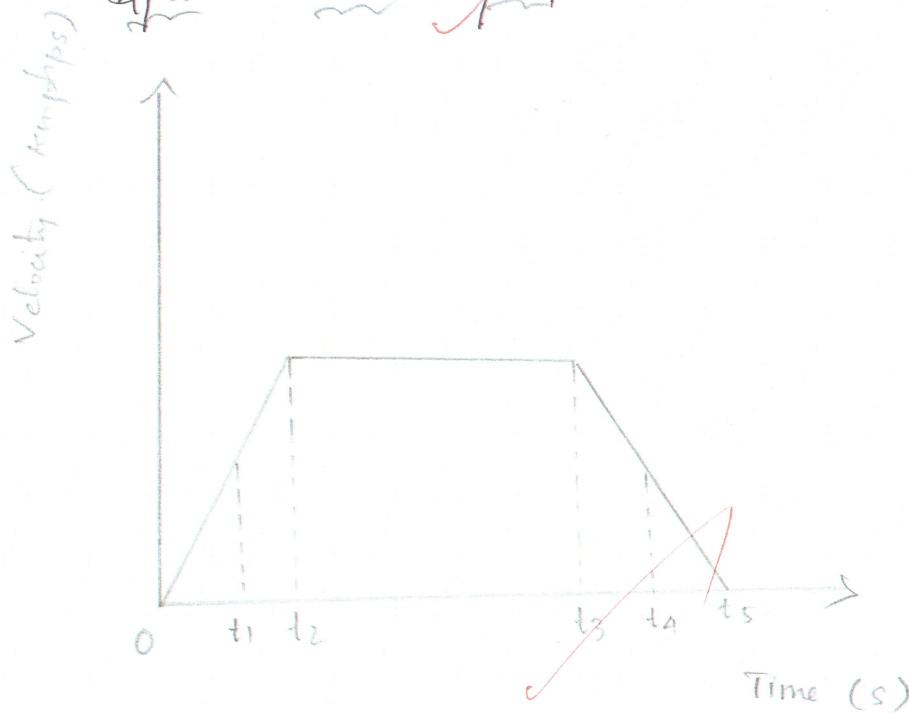
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8.a) Mechanism of train movement with speed-time curve.

The speed-time and speed distance graph shows the characteristics of train movement and energy consumption. The graph gives the values of acceleration and distance.

Speed time Graph.



The above graph is the speed time Graph. It shows the ^{Speed} time curve of a normal passenger train. The instantaneous speed of the train in kmphs along y axis and the time taken to travel the distance is along x axis.



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The area of the curve gives the distance covered by the train and the slope at any point on the curve gives the acceleration at ^{that} instant.

$0-t_1$ - notching period.

t_1-t_2 - acceleration period.

t_2-t_3 - free running period.

t_3-t_4 - retardation period.

t_4-t_5 - closing period.

Notching period.

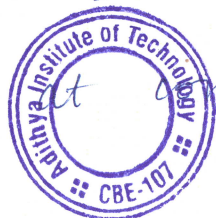
In this period, the train is ready to get started, but more amount of energy is needed to move. That time is called notching period.

Acceleration period.

In this period, the train achieves its starting condition, and gets increased speed with respect to time.

free running period.

In this period, the train runs at constant speed.



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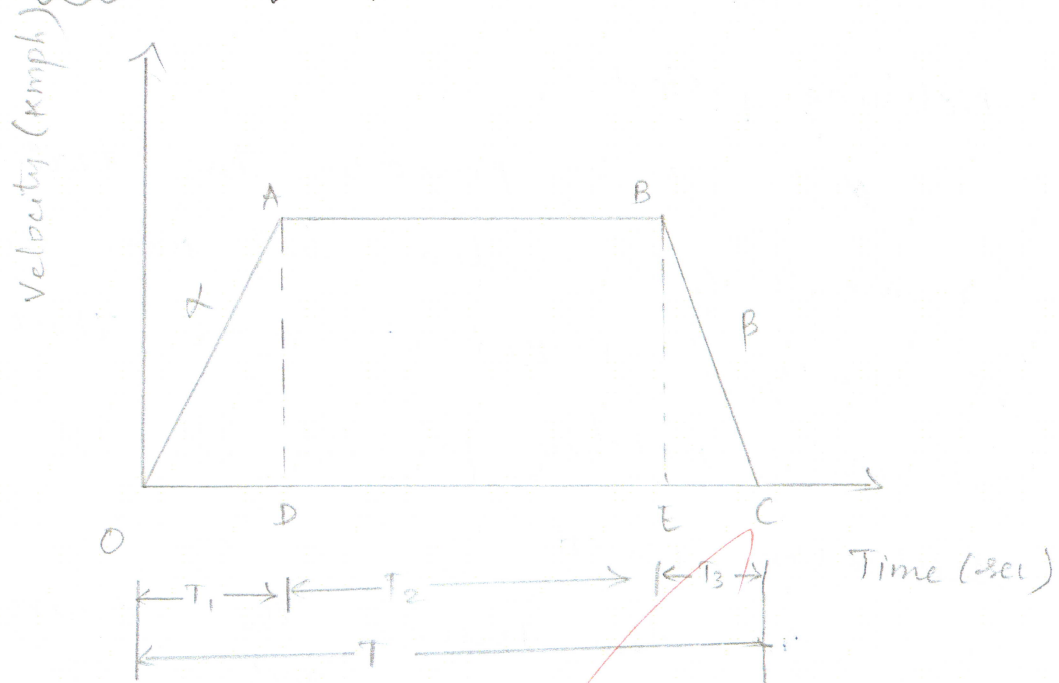
Retardation speed period.

In this period, the train loses the energy, and speed gets reduced.

closing period.

In this period, the energy stored in the motor (used to drive) is getting fully used up to null zero.

Derivation of speed time curve.



α - acceleration

β - retardation

AB - free running period

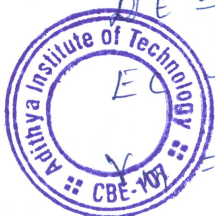
OD - T_1

DE - T_2

OC - T

EC - T_3

Maximum speed.



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$$\text{Time required } T_1 = \frac{V_m}{\alpha}$$

$$\text{Time required } T_3 = \frac{V_m}{\beta}$$

$$\begin{aligned} \text{Time required } T_2 &= T - (T_1 + T_3) \\ &= T - \frac{V_m}{\alpha} - \frac{V_m}{\beta} \end{aligned}$$

$$\text{Distance travelled} = \frac{1}{2} \frac{V_m}{3600} t_1 + \frac{V_m}{3600} t_2 + \frac{1}{2} \frac{V_m}{3600} t_3$$

$$= \frac{V_m}{7200} (t_1 + 2t_2 + t_3)$$

$$= \frac{V_m}{7200} \left(\frac{V_m}{\alpha} + 2 \left(T - \frac{V_m}{\alpha} - \frac{V_m}{\beta} \right) + \frac{V_m}{\beta} \right)$$

$$= \frac{V_m}{7200} \left(\frac{V_m}{\alpha} + 2T - \frac{2V_m}{\alpha} - \frac{2V_m}{\beta} + \frac{V_m}{\beta} \right)$$

$$= \frac{V_m}{7200} \left(-\frac{V_m}{\alpha} - \frac{V_m}{\beta} + 2T \right)$$

$$\begin{aligned} \text{Distance Travelled} &= \frac{T \pm \sqrt{T^2 - 14400KD}}{2K} \end{aligned}$$



 ADITHYA INSTITUTE OF TECHNOLOGY INDUSTRY INTEGRATED INSTITUTION		Result Analysis								
		Department / Class		:	B.E / B.Tech					
		Year		:	II		Semester	:	4	
		INTERNAL ASSESSMENT I RESULT								
S. No	Subject code	SUBJECT	HANDLED BY	Total no of students	No of students Appeared	Absent	No of students passed	No of students failed	Pass percentage	
1	EC8451	Electromagnetic Fields	Mrs. G. Nithya	19	19	-	15		78.9%	
2	EC8452	Electronic Circuits- II	Mr. S. Mohammed Harris	19	19	-	14		73.68%	
3	EC8453	Linear Integrated Circuits	Mr. S. Muthukumar	19	19	-	15		78.9%	
4	EC8491	Communication Theory	Mrs. M. Mohanapriyaa	19	19	-	16		84.21%	
5	GE8291	Environmental Science and Engineering	Mr. D. Edison	19	19	-	18		94.73%	
6	MA8451	Probability and Random Process	Mrs. S. Shanthakumari	19	19	-	12		63.15%	
PASS PERCENTAGE				:	52.63%		No. of Students All Cleared		:	10
CLASS ADVISOR			HoD			PRINCIPAL				
G. Naveen			A. K. S.			D. Somasundar				




 Principal
 Adithya Institute of Technology
 Coimbatore- 641107

Adithya Institute of Technology, Sathy Main Road, Kurumba Palayam, Coimbatore 641 107

Coimbatore
30.05.2022

Student Performance Report- Internal Assessment II
மாணவர் முன்னேற்ற அறிக்கை - உள் மதிப்பீட்டு தேர்வு II

Register No/ பதிவு எண் : 710118105001

Name of the student/ மாணவர் பெயர் : Divya A

Year of study/ Semester வருடம் / பருவம் : IV/08

Total No of classes conducted / நடத்தப்பட்ட மொத்த

வகுப்புகளின் எண்ணிக்கை : 95 hours

Attended Hours / வருகைப் பதிவு : 92 hours

Attendance % / வருகைப்பதிவு சதவீதம் : 97 %

வருகைப்பதிவு **75%** த்திற்கு கீழ் இருப்பின் பல்கலைக்கழக தேர்வு எழுத அனுமதி கிடைக்காது

Subjects/ பாடங்கள்	IA Result / பருவத் தேர்வு முடிவுகள் (MAX.MARKS100)	Total Hours / மொத்த வகுப்புகள்	Hours Attended / வருகைப் பதிவு
Electrical Energy Generation Utilization and Conservation	48	25	24
High Voltage Direct Current Transmission	45	23	23
Failed /தேர்ச்சி பெறாத பாடங்கள்	NIL		

If any clarification pleases contact / மேலும் சந்தேகங்களுக்கு தொடர்பு கொள்ளவும்.

9843349233

In our institution, Parents-Teachers meeting will be arranged on 11.06.2022. Kindly make your presence to know your wards performance.

நமது கல்லூரியில், பெற்றோர்-ஆசிரியர்கள் கூட்டம் 11.06.2022 அன்று ஏற்பாடு

செய்யப்பட்டுள்ளது. தங்கள் மகன் / மகளின் செயல்பாடுகளை அறிந்து கொள்ள தவறாமல் கலந்துகொள்ள அன்போடு அழைக்கிறோம்.

THANK YOU!!!


Class Advisor




Principal

Adithya Institute of Technology
Coimbatore- 641107


HoD - EEE

Adithya Institute of Technology, Sathy Main Road, Kurumba Palayam, Coimbatore 641 107

Coimbatore
30.05.2022

Student Performance Report- Internal Assessment II
மாணவர் முன்னேற்ற அறிக்கை - உள் மதிப்பீட்டு தேர்வு II

Register No/ பதிவு எண் : 710118105006

Name of the student/ மாணவர் பெயர் : Pradeep B

Year of study/ Semester வருடம் / பருவம் : IV/08

Total No of classes conducted / நடத்தப்பட்ட மொத்த

வகுப்புகளின் எண்ணிக்கை : 95 hours

Attended Hours / வருகைப் பதிவு : 76 hours

Attendance % / வருகைப்பதிவு சதவீதம் : 80 %

வருகைப்பதிவு 75% த்திற்கு கீழ் இருப்பின் பல்கலைக்கழக தேர்வு எழுத அனுமதி கிடைக்காது

Subjects/ பாடங்கள்	IA Result / பருவத் தேர்வு முடிவுகள் (MAX.MARKS100)	Total Hours / மொத்த வகுப்புகள்	Hours Attended / வருகைப் பதிவு
Electrical Energy Generation Utilization and Conservation	22	25	19
High Voltage Direct Current Transmission	17	23	17
Failed /தேர்ச்சி பெறாத பாடங்கள்	02		

If any clarification pleases contact / மேலும் சந்தேகங்களுக்கு தொடர்பு கொள்ளவும்.

9843349233

In our institution, Parents-Teachers meeting will be arranged on 11.06.2022. Kindly make your presence to know your wards performance.

நமது கல்லூரியில், பெற்றோர்-ஆசிரியர்கள் கூட்டம் 11.06.2022 அன்று ஏற்பாடு

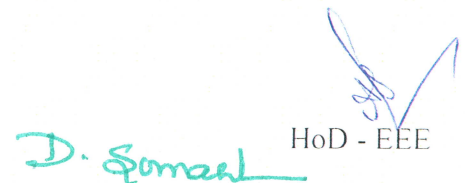
செய்யப்பட்டுள்ளது. தங்கள் மகன் / மகளின் செயல்பாடுகளை அறிந்து கொள்ள தவறாமல்

கலந்துகொள்ள அன்போடு அழைக்கிறோம்.

THANK YOU!!!


Class Advisor




HoD - EEE

Principal
Adithya Institute of Technology
Coimbatore- 641107

CERTIFICATE OF COMPLETION

It is hereby certified that this is the bonafide record of work done by

Name S. Harichandran

Class III Year (EEE) Reg.No 710119105701

Page No. 01 to 119

Name of the Laboratory : EE8511 CONTROL AND INSTRUMENTATION LABORATORY

Department of the Student : ELECTRICAL AND ELECTRONICS ENGINEERING

11/03/22

Staff in-charge

Date : 11/03/2022

[Signature]

HoD

Date : 11/03/2022

CERTIFICATE OF SUBMISSION

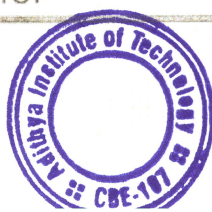
We hereby certify that the above record work was submitted for the
University Practical Examination held on 13/03/2022

13/03/22

Internal Examiner

[Signature]
13/3/22

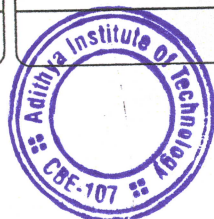
External Examiner



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Principal
Adithya Institute of Technology
Coimbatore- 641107

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S.No.	Date	Name of the Experiment	Page No.	Marks
1	24/8/21	P, PI, PID Controller	3	45 25
2	25/8/21	Stability Analysis of Linear System	11	45 25
3A	15/11/21	Determination of Transfer function DC Generator	15	50 25
4		Determination of Transfer function DC motor.		50 25
	8/11/21	A) Armature controlled DC Motor	23	
	8/11/21	B) Field controlled DC motor	31	
5	24/9/21	A) DC Position Servo motor controller	39	50 25
	24/9/21	B) DC Position Servo motor controller	43	
6	25/9/21	Synchro Transmitter Receiver and characteristics	47	50 25
7	4/10/21	AC Bridge		50 25
		A. Schering Bridge	51	
		B. Maxwell Bridge	55	



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Principal

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Coimbatore- 641107

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PROFILE EXAM SCHEDULE REG.PREVIEW ASSESSMENT EXAM RESULTS ELECTIVE GRIEVANCE

Student Profile

Register Number	710119106008
Name	THARANI S R
Institution	7101 - ADITHYA INSTITUTE OF TECHNOLOGY
Branch	106-B.E. Electronics and Communication Engineering

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CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON AUTONOMOUS AFFILIATED COLLEGES

August 2021 – December 2021 (ODD SEMESTER)*

UG & PG Programmes

Date: 27.07.2021



Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech.(Full-Time)	III, V, VII	18.08.2021	30.11.2021**	02.12.2021	13.12.2021
2.	B.E. / B.Tech (Part-Time)	III, V, VII				
3.	B.Arch. (Full-Time)	III, V, VII, IX				
4.	M.C.A. (Full-Time)	V				
5.	M.Sc (5 Yrs-Integrated)	V, VII, IX				
6.	M.B.A. (5 Yrs-Integrated)	V, VII, IX				

* As per the directives of the Government of Tamil Nadu, the classes will be conducted in ONLINE mode

RE - OPENING DAY FOR THE NEXT SEMESTER: 19.01.2022 (Wednesday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

** In order to ensure minimum no. of working days, the following 7 Saturdays are declared as working days.

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	28.08.2021	Friday
2.	11.09.2021	Monday
3.	25.09.2021	Friday
4.	09.10.2021	Thursday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
5.	23.10.2021	Friday
6.	06.11.2021	Tuesday
7.	20.11.2021	Thursday

[Signature]
27.07.2021
DIRECTOR
ACADEMIC COURSES

DAC - SB



[Signature]
Principal
Adithya Institute of Technology
Coimbatore- 641107

Date: 21.09.2021

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON AUTONOMOUS AFFILIATED COLLEGES

September 2021 – December 2021 (ODD SEMESTER – III Semester)

PG (FT) Degree Programmes

Sl. No	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	M.B.A.(FT)	III	27.09.2021	31.12.2021**	03.01.2022	19.01.2022
2.	M.B.A. (5 Yrs-Integrated)	III				
3.	M.E. / M. Tech. / M. Arch.(FT)	III				

RE-OPENING DAY FOR THE NEXT SEMESTER: 14.02.2022 (Monday)

- Theory and Practical Examination schedules will be published in due course. (Practical Examinations will be conducted before the theory examinations).

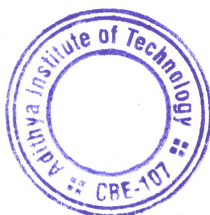
**** In order to ensure minimum no. of working days, the following Saturdays are declared as working days.**

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed	Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	09.10.2021	Thursday	6.	20.11.2021	Tuesday
2.	23.10.2021	Friday	7.	27.11.2021	Wednesday
3.	30.10.2021	Tuesday	8.	04.12.2021	Thursday
4.	06.11.2021	Thursday	9.	11.12.2021	Friday
5.	13.11.2021	Monday	10.	18.12.2021	Monday

W.A. 21.9.2021

**DIRECTOR
ACADEMIC COURSES**

DAC - SB



D. Soman

Principal

**Adithya Institute of Technology
Coimbatore- 641107**

Date: 20.01.2022



CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

February 2022 – May 2022 (Odd Semester – Semester I)

PG (FT) Degree Programmes

Sl. No	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	M.E. / M. Tech. / M. Arch.(FT)	I	07.02.2022	14.05.2022**	16.05.2022	26.05.2022

RE-OPENING DAY FOR THE NEXT SEMESTER: 27.06.2022 (Monday)

1. Theory and Practical Examination schedules will be published in due course. (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

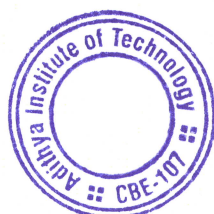
**** In order to ensure minimum no. of working days, the following Saturdays are declared as working days.**

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	12.02.2022	Thursday
2.	26.02.2022	Friday
3.	12.03.2022	Tuesday
4.	26.03.2022	Monday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
5.	09.04.2022	Tuesday
6.	23.04.2022	Wednesday
7.	07.05.2022	Thursday
8.	14.05.2022	Friday

**DIRECTOR
ACADEMIC COURSES**

DAC - SB



D. Samant

Principal

Adithya Institute of Technology

Coimbatore- 641107

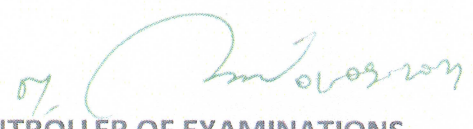
ANNA UNIVERSITY:: CHENNAI 600 025

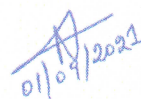
Internal Assessment Schedule for Non Autonomous Affiliated Institutions

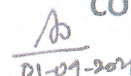
August - December 2021 - For all UG/PG - Programmes (ODD SEMESTER) – Except M.C.A 2 Years

Report No	Report Period	Test Period	Report Entry Period
I	18-08-2021 – 13-09-2021	----	13-09-2021 – 18-09-2021
II	14-09-2021 – 07-10-2021	01-10-2021 – 07-10-2021	07-10-2021 -- 13-10-2021
III	08-10-2021 – 05-11-2021	29-10-2021 – 05-11-2021	05-11-2021 --11-11-2021
IV	06-11-2021 – 30-11-2021	23-11-2021 – 30-11-2021	30-11-2021 -- 02-12-2021

Saturdays may be included as working days to make good the Shortages, if any.


CONTROLLER OF EXAMINATIONS


01/09/2021


01-09-2021




Principal
Adithya Institute of Technology
Coimbatore- 641107

ANNA UNIVERSITY:: CHENNAI 600 025

Internal Assessment Schedule for Non Autonomous Affiliated Institutions

September - December 2021 - For PG (FT) - Programmes (ODD SEMESTER) – III Semester

M.B.A.(FT) / M.B.A. (5 Yrs-Integrated) / M.E./M.Tech./M.Arch.(FT)

Report No	Report Period	Test Period	Report Entry Period
I	27-09-2021 – 22-10-2021	----	22-10-2021 – 28-10-2021
II	23-10-2021 -- 15-11-2021	10-11-2021 -- 15-11-2021	15-11-2021 -- 22-11-2021
III	16-11-2021 -- 07-12-2021	02-12-2021 -- 07-12-2021	07-12-2021 --13-12-2021
IV	08-12-2021 -- 31-12-2021	24-12-2021 -- 31-12-2021	31-12-2021 -- 03-01-2022

Saturdays may be included as working days to make good the Shortages, if any.


16/10/2021
CONTROLLER OF EXAMINATIONS


16-10-2021


16/10/2021




Principal
Adithya Institute of Technology
Coimbatore- 641107